

**Interim Removal Action Work Plan
Iron Mountain Road Ranges Soil Remediation
on ALDOT EBC Property**

**Skeet Range, Parcel 69Q;
Range 12, Parcel 70Q; and
Range 13, Parcel 71Q**

Prepared for:

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1.0 Project Description

1.1 Introduction

Shaw Environmental, Inc. (Shaw) will conduct an interim removal action of metals-contaminated soil at a skeet range and two small arms ranges near Iron Mountain Road (IMR) at Fort McClellan (FTMC), Alabama. The IMR Ranges, which are shown on Figure 1-1, consist of the Skeet Range, Parcel 69Q; Range 12 (Competitive Pistol Range), Parcel 70Q; and Range 13 (Qualification Pistol Range), Parcel 71Q. The total area to be remediated is approximately 1 acre and falls within the Alabama Department of Transportation (ALDOT) proposed Eastern Bypass Corridor (EBC). The work will be performed by Shaw in accordance with the provisions of Prime Contract DACA21-96-D-0018 with the U.S. Army Corps of Engineers (USACE), Mobile District.

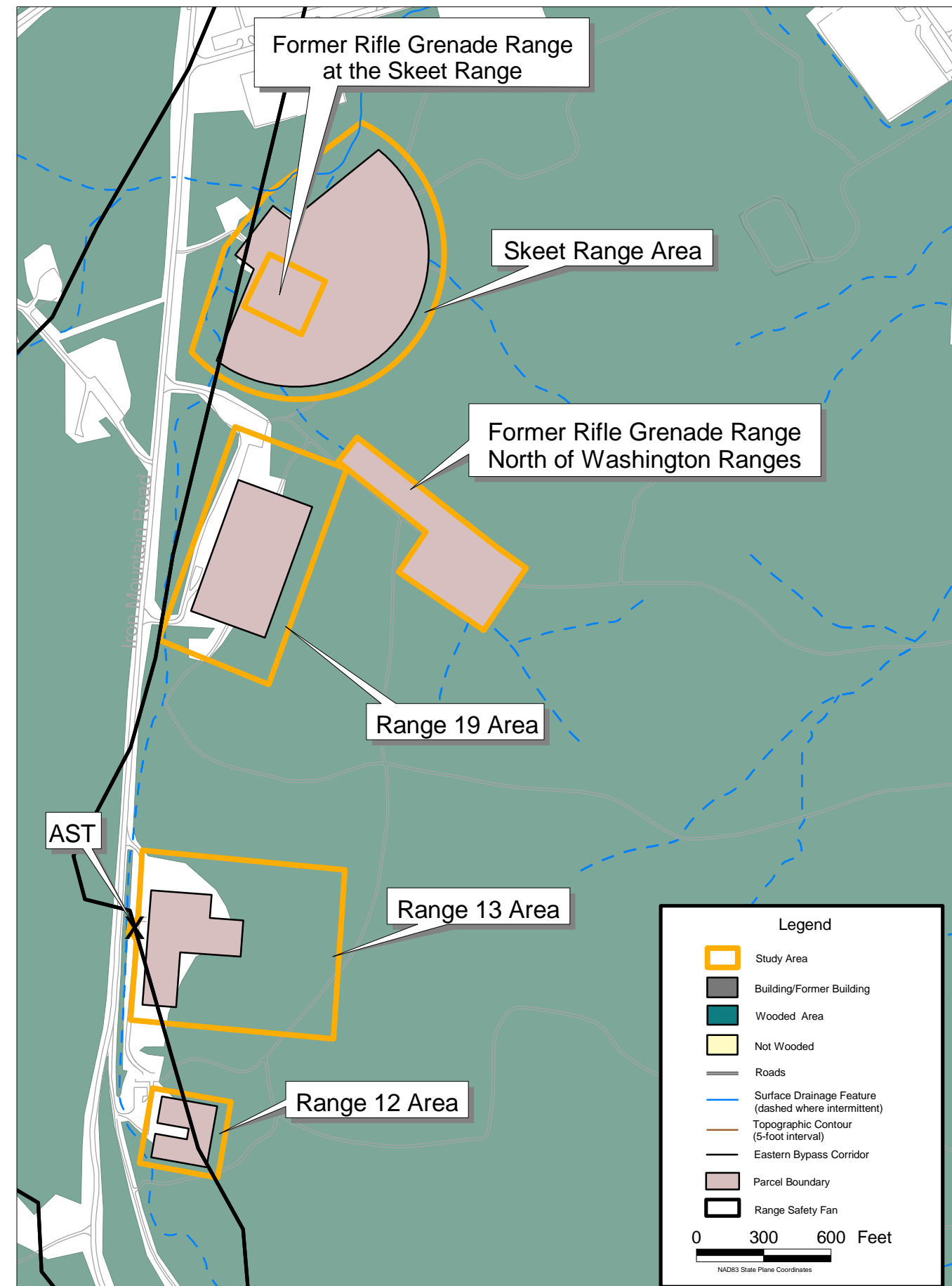
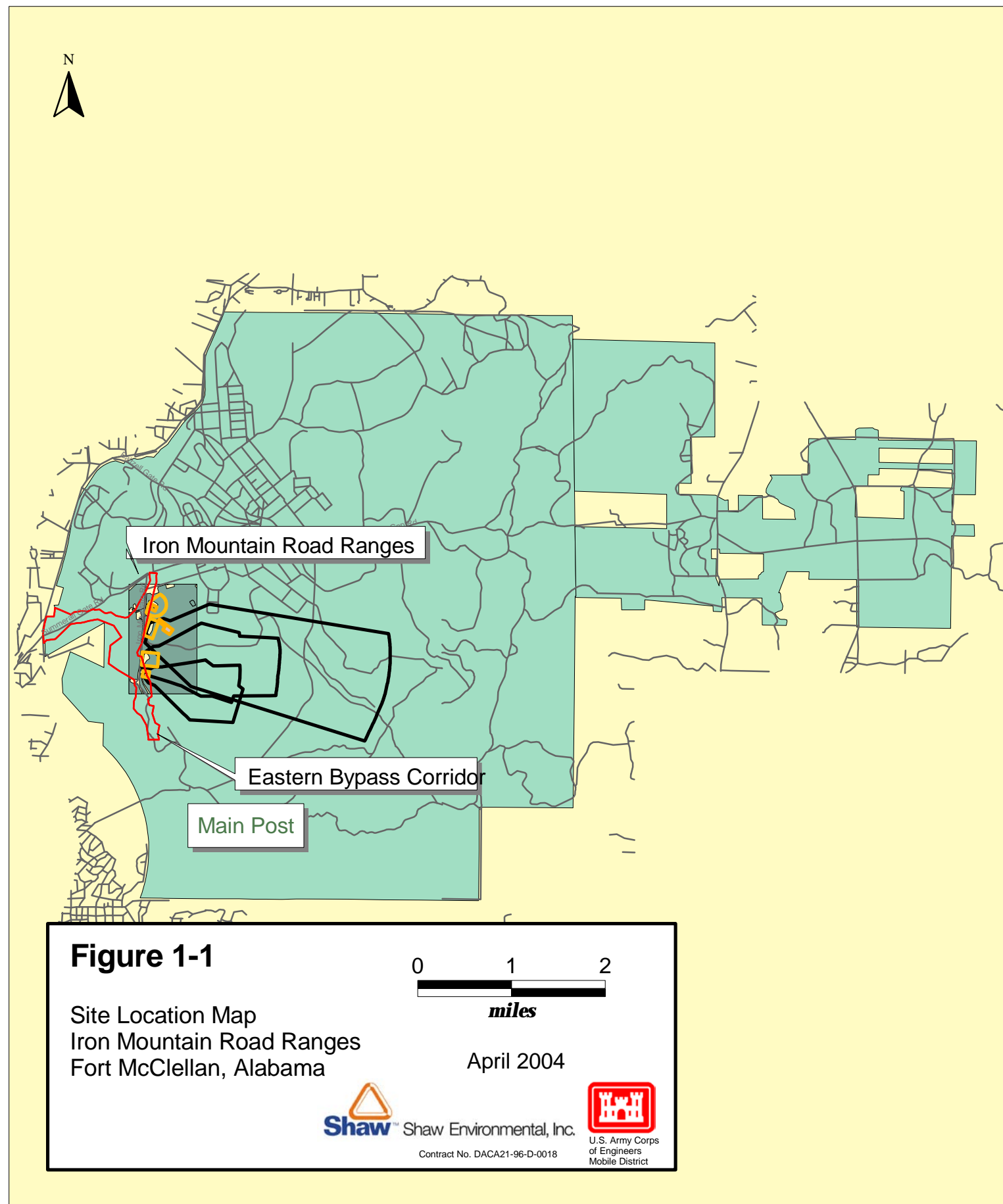
1.2 Scope of Work

The purpose of this interim removal action is to excavate and treat metals-contaminated soil at areas within the EBC where lead concentrations exceed 880 milligrams per kilogram (mg/kg). The ALDOT EBC boundary will be surveyed and a sampling grid established. Sampling data provided by the x-ray fluorescence (XRF) instrument will be used to delineate the excavation boundary. Based on existing data, it is estimated that an area of approximately 0.2 acres at the Skeet Range, 0.1 acres at Range 13, and 0.7 acres at Range 12 will be excavated. Shaw will excavate the top one foot of soil below ground surface (bgs). This excavation will yield approximately 1,572 cubic yards (cy) of material for treatment. The excavated soil will be treated on site with Portland cement to stabilize the metals and then composite sampled for disposal. After stabilization, it is expected that 2,043 cy of material will be transported and disposed of in an appropriately permitted landfill. The excavated areas will be regraded and reseeded as necessary to prevent erosion.

The following tasks will be completed by Shaw or its subcontractors:

- Interim removal action work plan
- Site surveying and XRF analysis
- Soil removal and treatment
- Post-excavation surface soil and treated soil sampling and analysis
- Waste characterization
- Transportation and disposal of treated soil
- Site restoration
- Report preparation.

Unexploded ordnance (UXO) support is not required.



1.3 Purpose and Objective

The purpose of this removal action is to excavate and treat metals-contaminated soil at the Skeet Range, Range 12, and Range 13 where lead concentrations exceed 880 mg/kg. These areas are within the EBC. After soil containing lead concentrations greater than 880 mg/kg has been removed from the EBC, the EBC can be transferred to ALDOT. The excavated soil will be treated on site with Portland cement to stabilize the metals and then composite sampled for disposal. Treated material will be transported and disposed of in an appropriately permitted landfill.

This construction plan consists of a site-specific work plan, site-specific sampling and analysis plan (SAP), and a site-specific safety and health plan (SHP). Chapter 4.0 of this document will serve as the site-specific SAP. Site photographs are included in Appendix A. Appendix B is the site-specific SHP.

These plans supplement and/or reference FTMC guidance documents, the installation-wide work plan (IT Corporation, 2002a, 1998), and the SAP (IT Corporation, 2002b, 2000).